



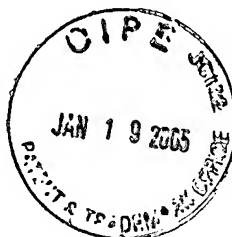
JAN 19 2005

## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/723,365	11/26/2003	Dirk van den Boom	17082-081001 / 24736-2073

20985  
 FISH & RICHARDSON, PC  
 12390 EL CAMINO REAL  
 SAN DIEGO, CA 92130-2081



CONFIRMATION NO. 4199

## FORMALITIES LETTER



\*OC000000013592881\*

Date Mailed: 08/20/2004

# NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Filing Date Granted

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

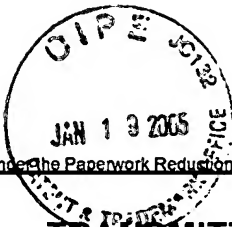
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 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

*A copy of this notice MUST be returned with the reply.*

*Handwritten: 10/1/03*  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

27

Application Number

10/723,365

Filing Date

November 26, 2003

First Named Inventor

Dirk Johannes van den Boom

Art Unit

1645

Examiner Name

Unknown

Attorney Docket Number

SEQ-2073-UT

**ENCLOSURES (Check all that apply)**

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/  
Incomplete ApplicationReply to Missing Parts  
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a  
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_

☐ Landscape Table on CD

After Allowance Communication to TC

Appeal Communication to Board  
of Appeals and InterferencesAppeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify  
below):

- \* Notice to Comply
- \* Communication Re: Notice to Comply;
- \* One Diskette PC/MS-DOS PATENTIN 3.2;
- \* See additional enclosures in Remarks

Remarks

- \* Paper Copy of Sequence Listing;
- \* Statement to Support Filing &  
Submission
- \* Form: PTO 2038

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Biotechnology Law Group

Signature

Printed name

Bruce D. Grant

Date

19 January 2005

Reg. No.

47,608

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office to Addressee" on the date below and is addressed to: ATTN Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Bruce D. Grant

Date

19 January 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: VAN DEN BOOM, et al. Examiner: Unknown  
Serial No.: 10/723,365 Group Art Unit: 1645  
Filed: November 26, 2003 Docket: SEQ-2073-UT  
Title: FRAGMENTATION-BASED METHODS AND SYSTEMS FOR SEQUENCE  
VARIATION DETECTION AND DISCOVERY

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**COMMUNICATION RE: NOTICE TO COMPLY WITH REQUIREMENTS**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


In response to the "Notice to Comply with Requirements" please find the Sequence Listing and supporting documents along with a Petition for Extension of Time (3 months) and payment of \$510.00 fee for small entity compliance.

Applicants assume the application is now in proper order and in condition for examination. Please direct any inquiries to the undersigned attorney at 858 623-9470.

If there are any additional fees due or overpayment please contact the undersigned attorney at 858-623-9470.

Respectfully submitted,

Date 19 January 2005  
BioTechnology Law Group  
658 Marsolan Avenue  
Solana Beach, CA 92075

  
\_\_\_\_\_  
Bruce D. Grant  
Reg. No. 47,608

CERTIFICATE UNDER 37 CFR 1.10: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office to Addressee" on the date indicated below and is addressed to: Attn: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

DATE: 19 Jan, 2005

Bruce D. Grant  
Name

  
\_\_\_\_\_  
Signature

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PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 510.00)

**Complete if Known**

Application Number	10/723,365
Filing Date	November 26, 2003
First Named Inventor	Dirk J. Van Den Boom et.al
Examiner Name	Unknown
Art Unit	1645
Attorney Docket No.	SEQ-2073-UT

**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit Card ☐ Money Order ☐ None ☒ Other (please identify): PTO-2038☐ Deposit Account Deposit Account Number: Deposit Account Name:

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
0 - 20 or HP =	0	x 25 =	0	0		0
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
0 - 3 or HP =	0	x 100 =	0			
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: 3 Month Extension of Time \$510.00

510.00

**SUBMITTED BY**

Signature

Registration No. 47,608  
(Attorney/Agent)

Telephone 858 623-9470

Name (Print/Type)

Bruce D. Grant

Date

12/19/2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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